Technological Forecasting and Social Change

An International Journal

Volume 60, Number 1, January 1999

Special Issue

National Foresight Projects

Hariolf Grupp, Guest Editor

Contents

Introduction

HARIOLF GRUPP (Karlsruhe, Germany) — Foresight Activities — 1

National Foresight Projects

TERUTAKA KUWAHARA (Tokyo, Japan) — Technology Forecasting Activities in Japan — 5

KNUT BLIND, KERSTIN CUHLS, HARIOLF GRUPP (Karlsruhe, Germany) — Current Foresight Activities in Central Europe — 15

BEN R. MARTIN (Brighton, UK), **RON JOHNSTON** (Sydney, Australia) — Technology Foresight for Wiring Up the National Innovation System: Experiences in Britain, Australia, and New Zealand — 37

JEAN-ALAIN HÉRAUD (Strasbourg, France), **KERSTIN CUHLS** (Karlsruhe, Germany) — Current Foresight Activities in France, Spain, and Italy — 55

TAEYOUNG SHIN (Kyunggi, Korea), **SOON-KI HONG** (Suwon, Korea), **HARIOLF GRUPP** (Karlsruhe, Germany) — Technology Foresight Activities in Korea and in Countries Closing the Technology Gap — 71

HARIOLF GRUPP (Karlsruhe, Germany), **HAROLD A. LINSTONE** (Lake Oswego, OR) — National Technology Foresight Activities Around the Globe: Resurrection and New Paradigms — 85

Column

FRED PHILLIPS (Portland, OR) — *From My Perspective* Some Good Reasons for Faith in the Market — 95

Technological Forecasting and Social Change
An International Journal

Volume 60, Number 2, February 1999

Contents

H. M. DE SOUZA FILHO (Sao Carlos, Brazil) **T. YOUNG** (Manchester, UK) **M. P. BURTON** (Australia)	Factors Influencing the Adoption of Sustainable Agricultural Technologies: Evidence from the State of Espírito Santo, Brazil	97
CHRISTOPHE ROUX-DUFORT EMMANUEL METAIS (Lille, France)	Building Core Competencies in Crisis Management Through Organizational Learning: The Case of the French Nuclear Power Producer	113
JORGE ISLAS (Morelos, Mexico)	The Gas Turbine: A New Technological Paradigm in Electricity Generation	129
MARCEL A. F. DIERCKX JAN H. M. STROEKEN (Eindhoven, Netherlands)	Information Technology and Innovation in Small and Medium-Sized Enterprises	149
JAMES F. DUNCAN (Picton, New Zealand)	Chemistry of Social Interactions	167

Column

STEVEN DUNPHY (Akron, OH)	*From My Perspective* Generation X: The "Infopreneurs" of Tomorrow?	199

Technological Forecasting and Social Change
An International Journal

Volume 60, Number 3, March 1999

Contents

GRAHAM R. MITCHELL (Washington, DC)	Global Technology Policies for Economic Growth	205
BART VERSPAGEN IVO DE LOO (Maastricht, Netherlands)	Technology Spillovers between Sectors and over Time	215
AYMEN KAYAL (Dhahran, Saudi Arabia)	Measuring the Pace of Technological Progress: Implications for Technological Forecasting	237
ROBERT N. McGRATH (Daytona Beach, FL)	Effects of Incumbency and R&D Affiliation on the Legitimation of Electric Vehicle Technologies	247
FANG-MEI TSENG GWO-HSHIUNG TZENG HSIAO-CHENG YU (Hsih-chu, Taiwan)	Fuzzy Seasonal Time Series for Forecasting the Production Value of the Mechanical Industry in Taiwan	263
J. W. SUN T. MERISTO (Turku, Finland)	Measurement of Dematerialization/Materialization: A Case Analysis of Energy Saving and Decarbonization in OECD Countries, 1960–95	275
	Column	
IDA RUSSAKOFF HOOS (Brookline, MA)	*From My Perspective* The Anatomy of a Decision	295
	Book Reviews	
HAROLD A. LINSTONE (Lake Oswego, OR)	*Rescuing Prometheus* (Thomas P. Hughes)	299
PETER A. CORNING (Palo Alto, CA)	*Complexity: A Philosophical Overview* (Nicholas Rescher)	305
KISH SHARMA (Bellevue, WA)	*Conquering Uncertainty: Understanding Corporate Cycles and Positioning Your Company to Survive the Changing Environment* (Theodore Modis)	307
	Volume 60 Author Index	311
	Volume 60 Book Review Index	311
	Volume 60 Subject Index	311
	Author Index—Volumes 51–60	317
	Subject Index—Volumes 51–60	321
	Book Review Index—Volumes 51–60	349
	Volume 60 Contents	353